

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 99/00063

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 6 B01J31/02 B01J37/03 C07C51/235

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 B01J C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	A. SHAMES ET AL.: "In situ EPR study of sol-gel processes" JOURNAL OF NON-CRYSTALLINE SOLIDS, vol. 175, 1994, pages 14-20, XP002108351 cited in the application see page 15, column 2 ---	1-23, 41, 44
X	KAZUNORI MATSUI ET AL.: "ESR Study of a Nitroxide Radical in Sol-Gel Glasses" JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol. 9, 1997, pages 273-277, XP002108352 cited in the application see page 274, column 1 ---	1-23, 41, 44

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

## Date of the actual completion of the international search

Date of mailing of the international search report

6 July 1999

21/07/1999

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HEERES A. ET AL.: "Synthesis of alpha and beta-D-glucopyranonate 1-phosphate and alpha-D-glucopyranuronate 1-fluoride: intermediates in the synthesis of D-glucuronic acid from starch" CARBOHYDRATE RESEARCH, vol. 299, 1997, pages 221-227, XP002108353 cited in the application -----	
A	US 5 292 801 A (D. AVNIR ET AL.) 8 March 1994 cited in the application -----	